BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Division

Name Of Work:- Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency

EIRL

Estimate Amount:-	**5,00,00,000.00**
Name of Contractor:-	**Sri K Venkata Raju**
Approved amount:-	**Rs. 4,39,72,760.00/-**
Tender premium:-	**4.98% above**

Sl. No.	Description of Work	Unit	Quantity	Rate	Amount in Rupees	Whether item alternate to item in the tender or whether they are additional item (if, in lieu of the same item in the accepted tender such items should be mentioned.	Whether the extra item is included in the sanctioned estimate.	How the extra cost of the item is proposed to be met	Whether the extra item is included in the Schedule of rates of the division, if not, data sheet should accompany the rate list.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as	Sqm	42.88	1028.20	44089.22	ADDITIONAL ITEM	No	General Savings	Item No-5.26 Page No-27	
				TOTAL ERIL AMOUNT	44089.22					

Note: Percentage of Extra item over the sanctioned Estimate=Extra item amount over the approved amount/Amount Put to tender x 100

Total cost as per Approved Amount, Rs =	43972760.31
Total cost of EIRL Amount, Rs=	44089.22
Percentage of Worslip =	EIRL Amount / Approved Amount X 100
% of EIRL =	0.10

Contractor

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

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ಯಲಹಂಕ ವಲಯ
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BRUHATH BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE, PROJECT DIVISION

Work Slip: As per Std Tender Documents

Name of Work: Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency
Amount Put to Tender:- Rs. 4,18,86,797.78/-
Name of Contractor:- Sri K Venkata Raju
Approved amount:- Rs. 4,39,72,760.00/-
Tender premium:- 4.98% above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates@ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	1084.95	5691.91	6175438.43	1387.07	1356.19	5691.91	7719298.03	30.88	5691.91	175763.45	7895061.48	1719623.05	0.00	
7	KSRRB M300-24. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 2km and complete as per specifications.	Cum	3627.22	67.12	243474.28	5474.63	4534.03	67.12	304342.86	940.61	67.12	63137.38	367480.24	124005.96	0.00	
8	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	1680.18	2094.27	3518745.55	2285.59	2100.23	2094.27	4398431.94	185.37	2094.27	388210.27	4786642.21	1267896.66	0.00	
	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, aying in uniform layers with paver in sub-ase/base course on well prepared surface and mpacting with vibratory roller to achieve the ired density complete as per ifications(P.No-155,I No-20.18,KPWD SR -19)	Cum	1750.07	2100.94	3676798.62	1993.47	1993.47	2100.94	4188163.16	0.00	2100.94	0.00	4188163.16	511364.54	0.00	

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	2	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 128%			Qty. as per Anticipated above 128%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
		3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
10	&B M500-6. Providing and applying rimer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	8566.00	31.16	266899.98	8860.41	8860.41	31.16	276073.15	0.00	31.16	0.00	276073.15	9173.17	0.00	
11	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	8566.00	13.35	114385.70	9105.55	9105.55	13.35	121590.59	0.00	13.35	0.00	121590.59	7204.89	0.00	
12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen.	Cum	428.30	6726.80	2881089.92	455.98	455.98	6726.80	3067315.04	0.00	6726.80	0.00	3067315.04	186225.12	0.00	
13	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic).	Cum	325.15	7913.04	2572923.48	364.19	364.19	7913.04	2881817.53	0.00	7913.04	0.00	2881817.53	308894.05	0.00	

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	of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
16	cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS: 383 maximum size of coarse aggregate not exceeding 25mm , mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weight batcher as per approved mix design laid in approved fixed of 125 micron thick polythene film, wedges steel plates including levelling the form work as per drawing) Spreading the concrete with shovels rackers compacted using needle screed and plate vibrator and finished in a continuous operation including provision of contruction joints primer joint sealant curring of concrete slabs for 14 days and wateri finishing to lines and grade as per drawing and techincal specification clause 1501 with all lead lifts loading & unloading charges cost and conveyance of all materials (P.No-176,I No-22.6.1)	Cum	558.63	5470.47	3055966.31	996.61	698.29	5470.47	3819957.89	298.32	5470.47	1631965.97	5451923.86	2395957.55	0.00	
	Grand total													6530344.98	0.00	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

Approved Amount =	**43972760.31**
Excess Amount =	**6530344.98**
Percentage of Worslip =	**Excess Amount / Approved Amount X 100**
Percentage of Worslip =	**14.85** %

Contractor

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka Project Division

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Contractor

BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Comparitive Statement

Name of Work:	Improvements and Developments to Shivanahalli village surrounding area in Ward No.01 Yelahanka Constituency
Estimate Amount:-	5,00,00,000.00
Name of Contractor:-	Sri K Venkata Raju
Approved amount:-	Rs. 4,39,72,760.00/-
Tender premium:-	4.98% above

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total		Difference		Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	Savings	
1	2	3	7	8	9	10	11	12	13	14	15	16	10	17	18	19	20
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of	Cum	3507.90	226.00	792788.71	2487.64	2487.64	226.00	562209.06	0.00	226.00	0.00	2487.64	562209.06	0.00	230579.65	
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates@ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and	Cum	1084.95	5691.91	6175438.43	1387.07	1356.19	5691.91	7719298.03	30.88	5691.91	175763.45	1387.07	7895061.48	1719623.05	0.00	
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted.	Cum	1019.08	7422.30	7563913.37	722.48	722.48	7422.30	5362452.41	0.00	7422.30	0.00	722.48	5362452.41	0.00	2201460.96	
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.	Tn	63.04	77677.05	4896761.46	44.48	44.48	77677.05	3454806.85	0.00	77677.05	0.00	44.48	3454806.85	0.00	1441954.61	
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting , including form work, cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc complete.	Sqm	2838.12	2453.38	6962994.22	1908.18	1908.18	2453.38	4681495.61	0.00	2453.38	0.00	1908.18	4681495.61	0.00	2281498.61	
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete.As per Engineer incharge.	Sqm	153.00	5687.82	870235.91	119.14	119.14	5687.82	677654.98	0.00	5687.82	0.00	119.14	677654.98	0.00	192580.93	
7	KSRRB M300-24. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with	Cum	3627.22	67.12	243474.28	5474.63	4534.03	67.12	304342.86	940.61	67.12	63137.38	5474.63	367480.24	124005.96	0.00	
8	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 %	Cum	1680.18	2094.27	3518745.55	2285.59	2100.23	2094.27	4398431.94	185.37	2094.27	388210.27	2285.59	4786642.21	1267896.66	0.00	
9	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials	Cum	1750.07	2100.94	3676798.62	1993.47	1993.47	2100.94	4188163.16	0.00	2100.94	0.00	1993.47	4188163.16	511364.54	0.00	

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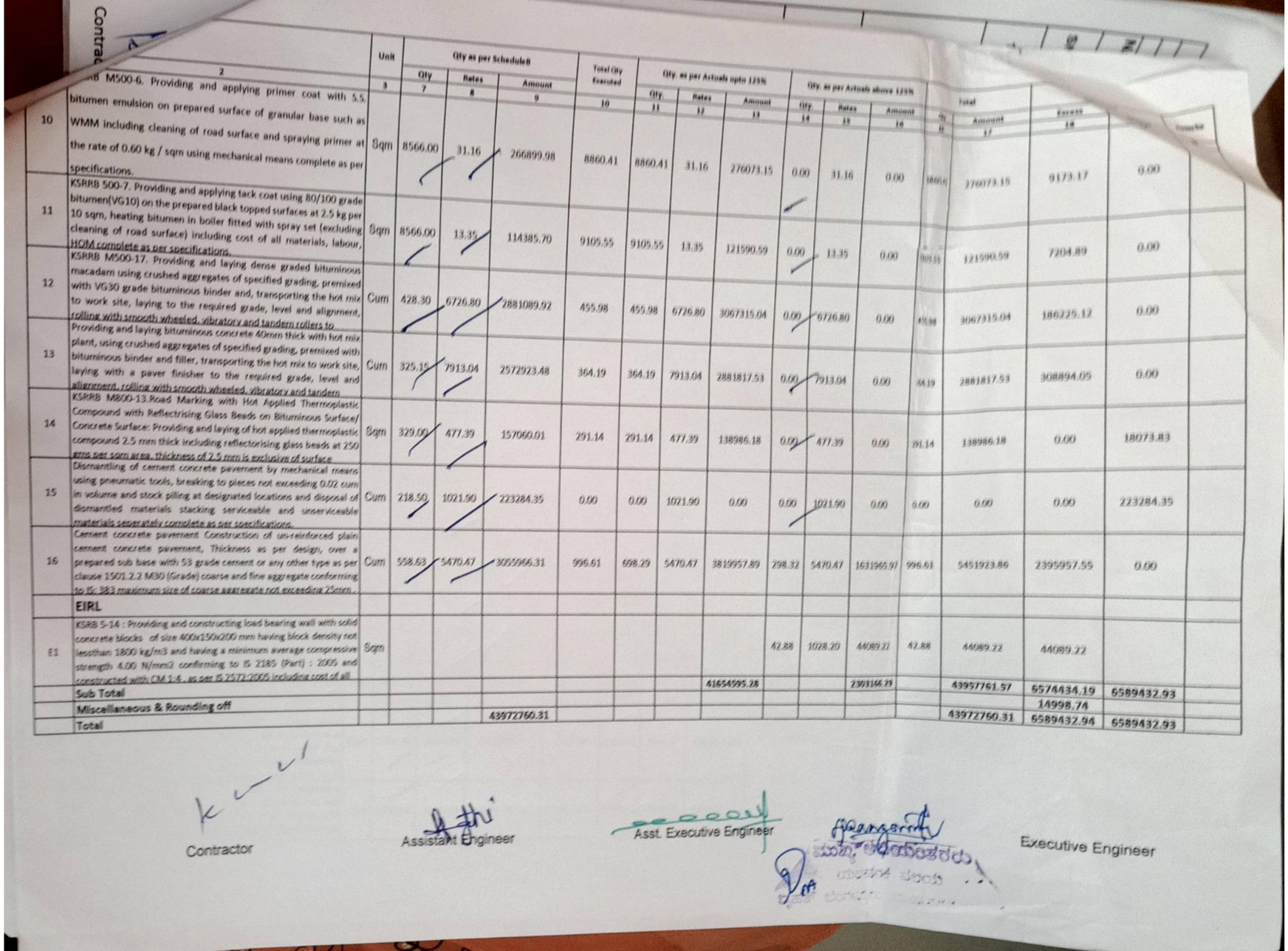

		Unit	Qty as per Schedule8			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%				Total		
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount	Qty	Amount	Excess	
2		3	7	8	9	10	11	12	13	14	15	16	17	17	18	
10	KSRRB M500-6. Providing and applying primer coat with 5.5 bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	8566.00	31.16	266899.98	8860.41	8860.41	31.16	276073.15	0.00	31.16	0.00	8860.41	276073.15	9173.17	0.00
11	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	8566.00	13.35	114385.70	9105.55	9105.55	13.35	121590.59	0.00	13.35	0.00	9105.55	121590.59	7204.89	0.00
12	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to	Cum	428.30	6726.80	2881089.92	455.98	455.98	6726.80	3067315.04	0.00	6726.80	0.00	455.98	3067315.04	186225.12	0.00
13	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem	Cum	325.15	7913.04	2572923.48	364.19	364.19	7913.04	2881817.53	0.00	7913.04	0.00	364.19	2881817.53	308894.05	0.00
14	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface	Sqm	329.00	477.39	157060.01	291.14	291.14	477.39	138986.18	0.00	477.39	0.00	291.14	138986.18	0.00	18073.83
15	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.	Cum	218.50	1021.90	223284.35	0.00	0.00	1021.90	0.00	0.00	1021.90	0.00	0.00	0.00	0.00	223284.35
16	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, Thickness as per design, over a prepared sub base with 53 grade cement or any other type as per clause 1501.2.2 M30 (Grade) coarse and fine aggregate conforming to IS: 383 maximum size of coarse aggregate not exceeding 25mm ,	Cum	558.63	5470.47	3055966.31	996.61	698.29	5470.47	3819957.89	298.32	5470.47	1631965.97	996.61	5451923.86	2395957.55	0.00
	EIRL															
E1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all	Sqm								42.88	1028.20	44089.22	42.88	44089.22	44089.22	
	Sub Total								41654595.28			2303166.29		43957761.57	6574434.19	6589432.93
	Miscellaneous & Rounding off														14998.74	
	Total				43972760.31									43972760.31	6589432.94	6589432.93

Contractor

Assistant Engineer

Asst. Executive Engineer

Executive Engineer

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